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User Manual

Products Covered:

RV Speed Dome Series

RV-PSU Power Supply

RV-ALM16 Alarm Module

RV-WALL Wall Mount Bracket

[RV8.4.2]

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1 HOW TO CONFIGURE THE DOME

THERE ARE TWO ROWS OF DIP SWITCH SETTINGS LOCATED BEHIND THE DIP SWITCH SCREW CAP SEE FIG 2 BELOW. THE TOP ROW IS AN EIGHT WAY BLOCK AND THE BOTTOM ROW IS A SIX WAY BLOCK.

THE REDVISION™ IR DOME IS FACTORY SUPPLIED WITH THE DIP SWITCH SETTINGS SET TO THE FOLLOWING DEFAULT CONFIGURATION:

- BBV UP THE COAX (UTC)
- DOME ADDRESS SET TO 1
- RS485 TERMINATION SET TO OFF

1.1 REMOVING THE DIP SWITCH SCREW COVER

TO ACCESS THE DOME'S DIP SWITCH SETTINGS, FIRST REMOVE THE DIP SWITCH SCREW CAP (A) USING A LARGE FLAT BLADED SCREWDRIVER. TURN ANTI-CLOCKWISE TO UNSCREW. SEE FIG 1 BELOW.



1.2 SETTING THE DOME ADDRESS

SET THE 8 WAY DIP SWITCH (A) TO THE REQUIRED CAMERA NUMBER ADDRESS OF THE DOME.
SEE FIG 2.



SEE TABLE FIG 3 BELOW FOR GUIDANCE ON DIP SWITCH SETTINGS. '0' REPRESENTS OFF (DOWN) AND ' 1' REPRESENTS ON (UP).

FIG 3

Dome Address	8-way DIP switch							
	1	2	3	4	5	6	7	8
not used	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0
4	0	0	1	0	0	0	0	0
5	1	0	1	0	0	0	0	0
6	0	1	1	0	0	0	0	0
7	1	1	1	0	0	0	0	0
8	0	0	0	1	0	0	0	0
9	1	0	0	1	0	0	0	0
10	0	1	0	1	0	0	0	0
11	1	1	0	1	0	0	0	0
12	0	0	1	1	0	0	0	0
13	1	0	1	1	0	0	0	0
14	0	1	1	1	0	0	0	0
15	1	1	1	1	0	0	0	0
16	0	0	0	0	1	0	0	0
17	1	0	0	0	1	0	0	0
18	0	1	0	0	1	0	0	0
19	1	1	0	0	1	0	0	0
20	0	0	1	0	1	0	0	0
21	1	0	1	0	1	0	0	0
22	0	1	1	0	1	0	0	0
23	1	1	1	0	1	0	0	0
24	0	0	0	1	1	0	0	0
25	1	0	0	1	1	0	0	0
26	0	1	0	1	1	0	0	0
27	1	1	0	1	1	0	0	0
28	0	0	1	1	1	0	0	0
29	1	0	1	1	1	0	0	0
30	0	1	1	1	1	0	0	0
31	1	1	1	1	1	0	0	0

TO CALCULATE ADDRESSES FROM 32 TO 256 REFER TO THE FOLLOWING TABLE:

8 WAY DIP SWITCH							
1	2	3	4	5	6	7	8
1	2	4	8	16	32	64	128

THE FOLLOWING EXAMPLE ILLUSTRATES HOW TO SET ADDRESS 95

1 = UP
0 = DOWN

8 WAY DIP SWITCH							
1	2	3	4	5	6	7	8
1	2	4	8	16	32	64	128
1	1	1	1	1	0	1	0

95 IS THE SUM OF 1+2+4+8+16+64, THEREFORE SWITCHES 1,2,3,4,5 & 7 ARE IN UP POSITION, WHILST SWITCHES 6 & 8 ARE DOWN.

1.3 SETTING THE DOME PROTOCOL

SET DIP SWITCH NUMBERS 1, 2 AND 3 ON THE SIX WAY ROW SEE FIG 4 BELOW. '1' REPRESENTS ON (UP) AND '0' REPRESENTS OFF (DOWN).

FIG 4

Protocol	6-way DIP switch					
	1	2	3	4	5	6
BBV Up the Coax	0	0	0			
Pelco P	0	1	0			
Pelco D	1	1	0			
Spare	0	0	0			
Spare						
Spare						

1.4 SETTING THE DOME BAUD RATE

USE DIP SWITCH NUMBERS 4 AND 5 OF THE SIX WAY ROW TO SET THE BAUD RATE. 0=OFF (DOWN) & 1=ON (UP) SEE FIG 5 BELOW. NB PELCO D IS NORMALLY 2400, & PELCO P IS 4800

FIG 5

Baud rate	6-way DIP switch					
	1	2	3	4	5	6
9600				0	0	
2400				1	0	
4800				0	1	
19200				1	1	

1.5 SETTING THE DOME RS485 TERMINATION

SET DIP SWITCH NO 6 OF THE SIX WAY ROW AS PER 'B' IN FIG 2 BELOW TO SET THE TERMINATION OF RS485 TWISTED PAIR INPUT. "0" REPRESENTS OFF (DOWN) AND "1" REPRESENTS ON (UP).



THE DEFAULT POSITION IS ON (UP).

Termination	6-way DIP switch					
	1	2	3	4	5	6
ON						1
OFF						0

NB: Termination switch should be set to ON (UP) if:

- ▶ The dome is being run on coax protocol
- ▶ The dome is the only one connected to the twisted pair
- ▶ The dome is last one on a daisy chain
- ▶ An alarm module has been fitted to the dome power supply & is running 485 protocol

The termination switch should be OFF (DOWN) if:

- ▶ More than one dome is connected on a DAISY CHAIN but it is NOT the last in line [The exception would be if an alarm module were installed. If this were the case, the dome should be terminated (ON/UP) and the alarm module would un-terminated (OFF/DOWN) see section 4.5 Setting the Alarm Module RS485 Termination].

1.6 REPLACING THE DIP SWITCH COVER

- BEFORE REPLACING THE DIP SWITCH SCREW CAP, IT IS IMPORTANT TO CHECK IT IS FREE OF DIRT AND GRIT. THREAD CONTAMINATION COULD AFFECT THE WATERPROOF SEAL.
- THE THREAD SHOULD BE CAREFULLY ALIGNED TO PREVENT BURRING.
- USING A LARGE FLAT BLADED SCREW DRIVER TURN THE SCREW CLOCKWISE TO TIGHTEN.

2 INSTALLING THE DOME HEAD

THE FOLLOWING STEPS ASSUME THE WALL MOUNT BRACKET (PART CODE RV-WALL) IS BEING INSTALLED. SWAN NECK, PENDANT, POLE AND CORNER MOUNT OPTIONS PLEASE REFER TO THEIR SPECIFIC INSTALLATION SHEET OR VISIT www.redvisioncctv.com.
SUPPORT/DOWNLOADS

CONT'D

2.1 TO FIX THE MOUNTING RING

- 1) FIX THE MOUNTING RING TO THE WALL USING FOUR SCREWS (A) FIG 6 BELOW, OF APPROPRIATE SIZE AND STRENGTH TO SUPPORT THE WEIGHT OF THE DOME AND BRACKET
- 2) FEED THE FLYING LEAD THROUGH THE WALL (B) OR THROUGH THE GLAND ENTRY (C) FIG 6 BELOW:



2.2 SECURING THE DOME BRACKET ARM

- 1) SECURE DOME BRACKET ARM (B) TO MOUNTING RING (A) USING 4 SOCKET CAP SCREWS (C) FIG 7 BELOW
- 2) CAUTION: ENSURE ONE OF THE FIXING SCREWS IS FITTED WITH A WASHER (D)
- 3) POSITION THE FLYING LEAD (E) SO THAT THE AMPHENOL CONNECTOR (F) IS ABOVE THE DOME CRADLE (G)



2.3 ATTACHING THE DOME HEAD

- 1) FULLY UNSCREW LOCKING RING (C) BY TURNING CLOCKWISE ,UNTIL IT TOUCHES THE TOP OF THE DOME (SEE FIG 8)
- 2) LIFT & PLACE THE DOME ONTO THE SUPPORT CRADLE (B) ENSURING THE FLAT SIDE OF THE SUPPORT PLATE (A) GOES TO THE BACK.
- 3) **IMPORTANT!:** TURN THE DOME LOCKING RING (C) COUNTER CLOCKWISE TO LOCK & SECURE THE DOME IN POSITION.



2.4 CONNECTING THE DOME FLYING LEAD

- 1) ALIGN LOCATION GROOVES ON THE FEMALE AMPHENOL CONNECTOR (A) FIG 9 WITH THE MALE CONNECTOR ON THE DOME TOP AND SCREW CLOCKWISE TO TIGHTEN.
- 2) **IMPORTANT!** TURN THE LOCKING RING (C) CLOCKWISE SEE FIG 8 ABOVE, TO SECURE DOME HEAD (DO NOT OVER TIGHTEN)



2.5 FITTING THE BRACKET COVERS

- 1) ALIGN THE TWO PLASTIC COVERS ON THE METAL SUPPORT BRACKET AND THEN FIX TOGETHER USING THE SUPPLIED 50MM M5 SOCKET CAP SCREW



3 POWER SUPPLY INSTALLATION

THE REDVISION PSU (PART CODE: RV-PSU) OUTPUTS 24V DC & IS SUPPLIED IN A WEATHER PROOF ABS BOX.

3.1 TO FIX THE PSU TO A WALL SURFACE

- 1) **WARNING!** FOR SAFETY REASONS DO NOT REMOVE THE SLOTTED METAL PROTECTIVE COVER (A)
- 2) FIX THE PSU TO A WALL USING A SUITABLE SCREW IN EACH OF THE FOUR CORNER ACCESS HOLES (C)
- 3) AN OPTIONAL 16 WAY ALARM MODULE (B) (PART CODE RV-ALM16) MAY BE FITTED AT ANYTIME.



3.2 VOLTAGE

INPUT: 110V/230VAC 50HZ 80VA MAX

OUTPUT: 24VDC @ 2A

3.3 PSU INTERNAL CONNECTIONS

3.3.1 Mains Input

Ident	Mains Power
Live	Live (brown) 110/230Vac 50Hz 1
Neutral	Neutral (Blue)
Earth	Earth (yellow/green)

3.3.2 CONNECTIONS TO DOME – 8 WAY BLOCK

Ident	Umbilical lead to dome
CAM2	White coax signal (dual camera version only)
GND	White coax screen (dual camera version only)
CAM1	Black coax signal
GND	Black coax screen
RS485 (A)	White
RS485 (B)	Orange
+24V	Red
0V	Black and cable screen

3.3.3 CONNECTIONS TO CONTROL – 8 WAY BLOCK

Ident	Control connections
*CAM2	Camera input (dual camera version only)
GND	Camera screen 2
*CAM1	Camera input
GND	Camera screen 1
RS485 (A)	RS485 (A) or (+) dome output
RS485 (B)	RS485 (B) or (+) dome output
Spare	No connection
GND	RS485 screen

3.3.4 BNC CONNECTIONS

Ident	BNC connections
*CAM2 (BNC)	DVR camera input (dual camera version only)
*CAM1 (BNC)	DVR camera input
CAM2 (BNC)	Loop through provided for test monitor (dual camera version only)
CAM1 (BNC)	Loop through provided for test monitor

*VIDEO CONNECTIONS CAN BE MADE EITHER BY USING THE BNC OR SCREW TERMINAL BLOCKS.

4 ALARM MODULE (RV-ALM16)

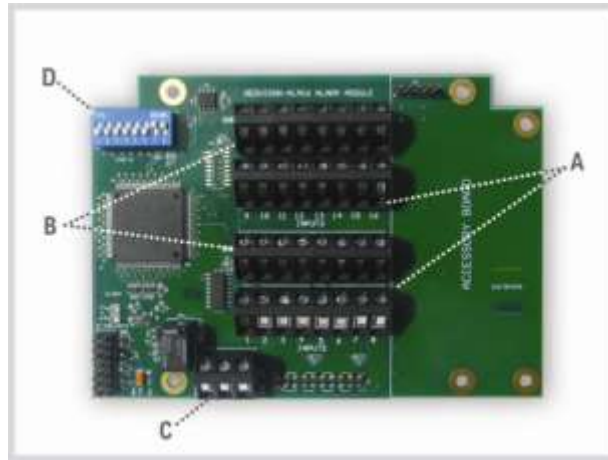
4.1 SLIDE SWITCH

IMPORTANT! WHEN AN ALARM MODULE IS FITTED , THE SLIDE SWITCH ON THE PSU PCB SHOULD BE SET TO YES. SEE FIG 11 BELOW:



4.2 CONNECTION IDENTIS AND DIP SWITCH LOCATION

FIG 12



A	ALARM INPUTS 1 TO 16
B	ALARM GROUNDS 1TO 16
C	ALARM RELAY OUTPUT
D	DIP SWITCH SETTINGS: PROTOCOL [1-4], BAUD RATE [5-6]NORMALLY OPEN/CLOSED [7],RS485 TERMINATION [8]

4.3 ALARM INPUTS

SEE 'A' IN FIG 12 ABOVE. 1-16 SETS OF VOLT FREE CONTACTS WHICH CAN BE CONFIGURED USING THE ONBOARD 8 WAY DIP SWITCH (SEE 'D' ABOVE) FOR EITHER NORMALLY OPEN OR NORMALLY CLOSED OPERATION.

4.3.1 ALARM INPUT GROUNDS

SEE 'B' IN FIG 12 ABOVE. ALL ALARM INPUT GROUNDS ARE COMMON & CONNECTED TOGETHER AND MAY BE USED FOR THE RELAY COMMON OUTPUTS OF THE PIRS OR OTHER ALARM SOURCES.

4.3.2 ALARM RELAY OUTPUT (VOLT FREE)

CONNECTIONS FROM THE ALARM RELAY OUTPUT (SEE 'C' IN FIG 12 ABOVE)

Ident	Alarm Relay Output
NO	Connect to 3 rd party control alarm input if normally open signal is required
COM	Connect to 3 rd party control alarm input ground
NC	Connect to 3 rd party control alarm input if normally closed signal is required

4.4 NORMALLY OPEN/NORMALLY CLOSED ALARM INPUTS

USE THE ONBOARD 8 WAY DIP SWITCH (SEE 'D' IN FIG 1 ABOVE) TO SELECT NORMALLY OPEN NO (0 = OFF (DOWN)) OR NORMALLY CLOSED NC (1 = ON (UP)) DEPENDENT ON WHETHER ALARM INPUTS ARE CONNECTED TO SENSORS WITH NORMALLY OPEN OR NORMALLY CLOSED OUTPUTS. THE DEFAULT POSITION IS NO WHICH IS 1 'ON' (UP).

8 WAY DIP SWITCH ON ALARM MODULE (SEE D IN FIG 12)

	-----PROTOCOL-----				BAUD		NO/NC	RS485 TERM
DIP SWITCH Number	1	2	3	4	5	6	7	8
Normally OPEN							1	
Normally CLOSED							0	

- NOTE: IF NORMALLY CLOSED IS SELECTED, ALL UNUSED ALARM INPUTS MUST BE LINKED TO GROUND TO PREVENT ALARMS BEING CONTINUOUSLY GENERATED

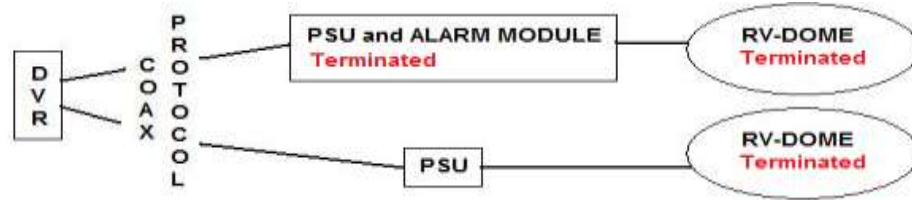
4.5 SETTING THE ALARM MODULE RS485 TERMINATION

USE THE 8 WAY DIP SWITCH (SEE 'D' IN FIG 12 ABOVE) TO SET THE RS485 TERMINATION. THE DEFAULT POSITION IS ON (1=UP). OFF =0 (DOWN)

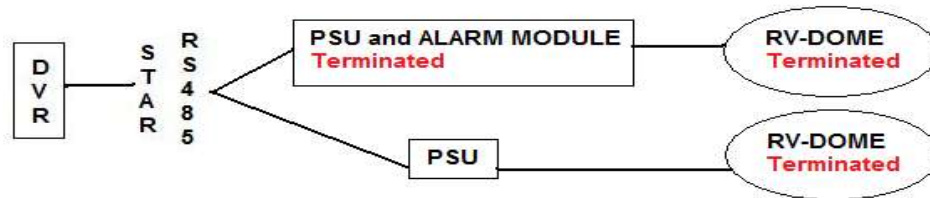
	-----PROTOCOL-----				BAUD		NO/NC	RS485 TERM
DIP SWITCH Number	1	2	3	4	5	6	7	8
ON								1
OFF								0

4.5.1 TERMINATION SCENARIOS

IF CONTROL IS OVER COAX PROTOCOL, BOTH THE DOME AND ALARM MODULE SHOULD BE TERMINATED.

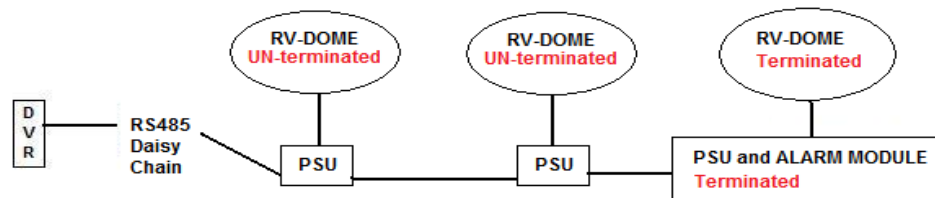


IF CONTROL IS OVER RS485 AND THE SYSTEM IS RUNNING A STAR CARD CONFIGURATION, BOTH THE DOME AND ALARM MODULE SHOULD BE TERMINATED.

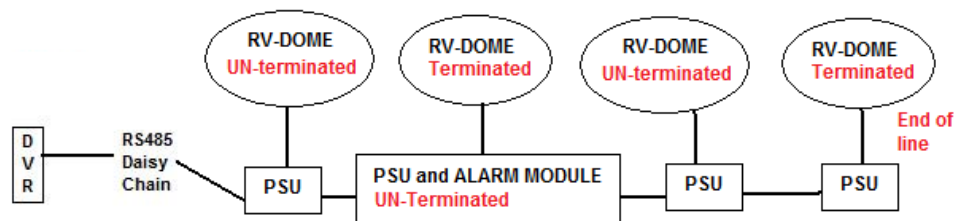


IF CONTROL IS OVER RS485 AND THE SYSTEM IS RUNNING A DAISY CHAIN CONFIGURATION THEN;

(A) IF THE DOME AND ALARM MODULE IS THE LAST IN LINE, BOTH THE DOME AND ALARM MODULE SHOULD BE TERMINATED.



(B) IF THE DOME AND ALARM MODULE IS NOT THE LAST IN LINE, THE DOME SHOULD BE TERMINATED AND THE ALARM MODULE UN-TERMINATED. THE ALARM MODULE TAKES OVER THE TERMINATION FROM THE DOME I.E. IT (THE ALARM MODULE) SHOULD BE UN-TERMINATED!



4.6 SETTING ALARM MODULE PROTOCOL

FROM THE 8 WAY DIP SWITCH (SEE 'D' IN FIG 12 ABOVE) SET THE ALARM MODULE PROTOCOL. SET DIP SWITCHES 1,2,3, & 4 AS PER THE TABLE BELOW TO SELECT THE REQUIRED PROTOCOLS. '1' = ON (UP) & '0' = OFF (DOWN)

	-----PROTOCOL-----				BAUD		NO/NC	RS485 TERM
DIP SWITCH Number	1	2	3	4	5	6	7	8
BBV Up the Coax	0	0	0	0				
Pelco P	0	1	0	0				
Pelco D	1	1	0	0				

- THE ALARM MODULE PROTOCOL SHOULD BE SET TO BE THE SAME AS THE DOME PROTOCOL.

4.7 SETTING ALARM MODULE BAUD RATE

USE THE 8 WAY DIP SWITCH (SEE 'D' IN FIG 12 ABOVE) TO SET THE ALARM MODULE BAUD RATE.

- SET THE DIP SWITCHES 5 & 6 AS PER THE TABLE BELOW TO SELECT THE REQUIRED BAUD RATE. '0' = OFF (DOWN) AND '1' = ON (UP).
- THE DEFAULT SETTING IS 9600 BAUD (BOTH SWITCHES OFF)
- PELCOD NORMALLY USES 2400 BAUD
- PELCOP NORMALLY USES 4800 BAUD

8 WAY DIP SWITCH ON ALARM MODULE

	-----PROTOCOL-----				BAUD		NO/NC	RS485 TERM
DIP SWITCH Number	1	2	3	4	5	6	7	8
2400					1	0		
4800					0	1		
9600					0	0		
19200					1	1		

- THE ALARM MODULE BAUD RATE SHOULD BE SET TO BE THE SAME AS THE DOME BAUD RATE

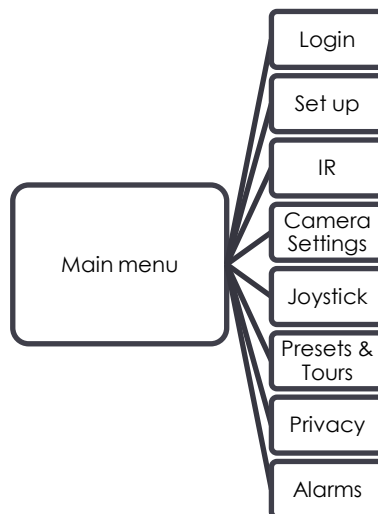
5 NAVIGATING THE MENUS

5.1 MENU NAVIGATION

USE JOYSTICK/ARROW KEYS TO NAVIGATE THE MENU OPTIONS. THROUGHOUT THIS MANUAL THE FOLLOWING DIRECTION ARROWS ARE USED;

Action	Result
◀	Left
▶	Right
▲	Up
▼	Down

FROM THE MAIN MENU THE FOLLOWING FUNCTIONS CAN BE ACCESSED:

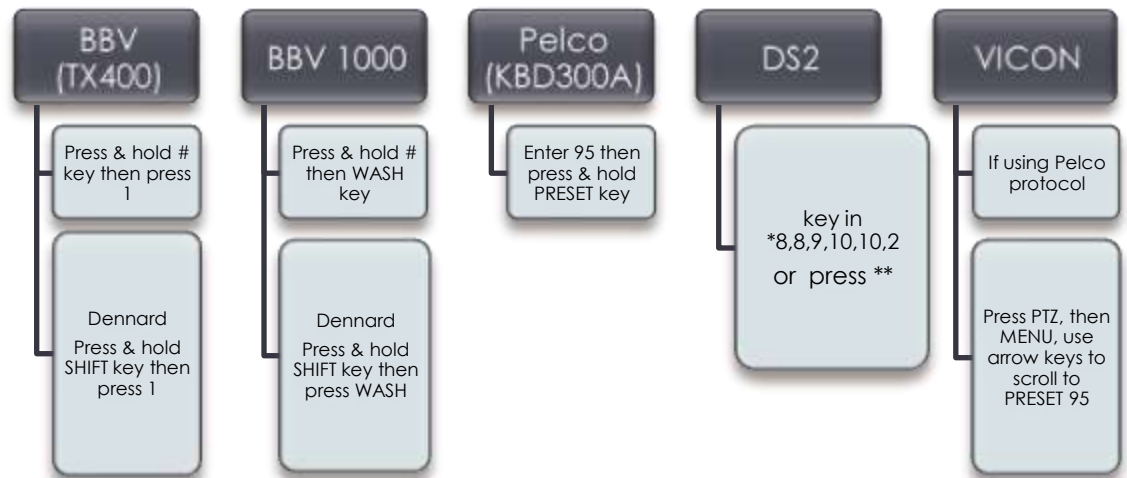


5.1.1 HOW TO ACCESS THE DOME MENU

AS MOST KEYBOARDS DIFFER IN THE WAY THEY ACCESS THE DOME MENU IT IS RECOMMENDED THE USER REFERS TO THE SPECIFIC KEYBOARD MANUAL FOR THE CONTROL SYSTEM THEY ARE USING.

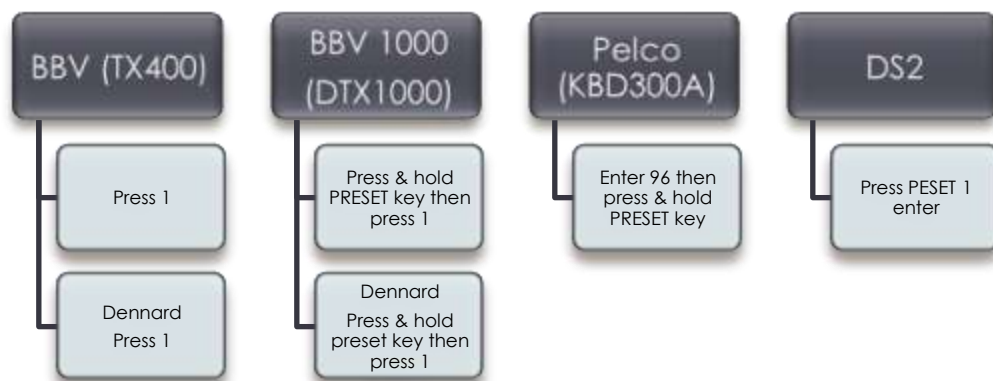
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SOME COMMON EXAMPLES FOR ACCESSING THE DOME SYSTEM MENU:



5.1.2 ENTER COMMAND

REFER TO INDIVIDUAL MANUFACTURERS KEYBOARD INSTRUCTIONS FOR SPECIFIC KEY STROKES. TYPICAL EXAMPLES ARE AS FOLLOWS...



5.1.3 EXIT MENU

MOVE THE JOYSTICK OR ARROW KEYS TO THE LEFT FROM ALL LEVELS TO EXIT THE DOME MENU. THE MENU, WILL DEFAULT AUTOMATICALLY TO EXIT IF UNUSED FOR 5 MINUTES.

ANY CHANGES MADE WILL BE SAVED PERMANENTLY WHEN THE MENU IS EXITED. THE MESSAGE 'SAVED OK' WILL APPEAR TO CONFIRM CHANGES HAVE BEEN SAVED.

5.2 LOGIN

ONCE THE MENU SCREEN HAS BEEN CALLED UP SEE 5.1.1, MOVE THE JOYSTICK OR ARROW KEYS TO THE RIGHT TO ENTER THE LOGIN VIEW. WITHIN THE LOGIN VIEW, ENTER A 6 DIGIT NUMERIC PASSWORD.(SEE 5.2.1) TO ACCESS OTHER SUB MENUS.

THE LOGIN SCREEN DISPLAYS THE FOLLOWING INFORMATION ABOUT THE DOME:

Login	
Brand	-----
Model	
Serial Number	
Firmware	
Alarm	
Protocol	
Address	

5.2.1 PASSWORD LEVELS

Level	Default Password
Technician	999900
Supervisor	555500
Operator	111100

USE JOYSTICK/ARROW KEYS TO MOVE THE CURSOR ▲▼ TO CHANGE DIGIT INFORMATION. ONCE THE PASSWORD HAS BEEN ENTERED, MOVE THE CURSOR ◀ TO EXIT THE LOGIN SCREEN. A MESSAGE WILL DISPLAY TO CONFIRM SUCCESSFUL LOGIN OR NOT.

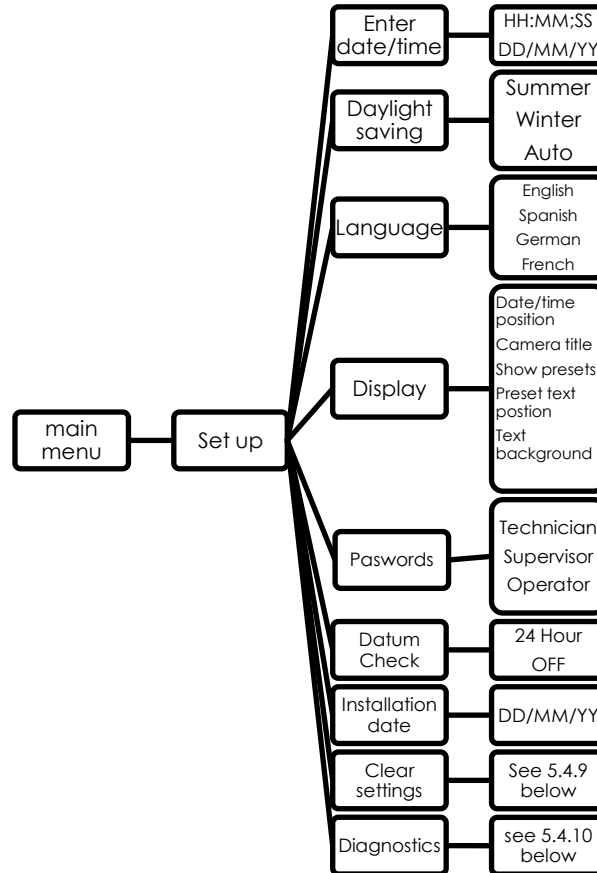
TO CHANGE A PASSWORD SEE 5.4.6

5.3 LOGIN EXPIRY

AFTER 5 MINUTES OF USER INACTIVITY THE SYSTEM TIMES OUT AND THE DOME REVERTS TO ITS PREVIOUS ACTIVITY.

5.4 SET UP

THE 'SET UP' IS THE MAIN SUB MENU FOR ACCESSING DOME CONFIGURATION SETTINGS.



5.4.1 ENTER DATE/TIME CLOCK

Action	Result
Move ◀▶ ▲▼	Set TIME HH:MM:SS Set DATE DD/MM/YY
Move ◀◀◀	Exit & save config...

5.4.2 DAYLIGHT SAVING

DEFAULT SETTING IS AUTO (EUROPEAN SETTING). SET TO WINTER FOR NO TIME CHANGE OR SUMMER TO ADVANCE BY ONE HOUR.

Action	Result
Move ◀▶ ▲▼	Winter, Summer, AUTO
Move ◀◀◀	Exit & save config...

5.4.3 LANGUAGE OPTIONS

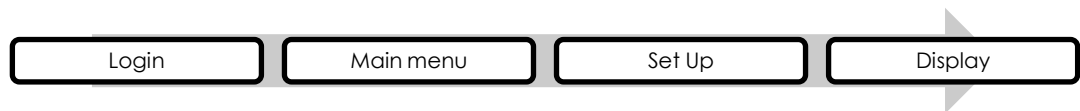
LOCALISE THE DISPLAY MESSAGES INTO THE FOLLOWING LANGUAGE OPTIONS:

-  ENGLISH
-  SPANISH
-  GERMAN
-  FRENCH

Action	Result
Move ▲ ▼	Select from ; English Spanish German French
Move ◀ ◀ ◀	Exit & save config...

IT IS NECESSARY TO REBOOT THE DOME AFTER LANGUAGE SETTINGS HAVE BEEN CHANGED
SEE 5.4.9.6 FOR REBOOT.

5.4.4 DISPLAY



5.4.4.1 DATE/TIME POSITION

USER HAS THE OPTION OF INSERTING THE ON SCREEN POSITION OF THE DATE/TIME BY MOVING JOYSTICK/ARROW KEYS ▼ ▲. DEFAULT IS OFF (NOTHING DISPLAYED). MOVE ◀ TO EXIT AND SAVE.

5.4.4.2 CAMERA TITLE & SCREEN POSITION

Move JOYSTICK/ARROW KEYS ▼ ▲ ◀ ▶ TO ENTER CAMERA TITLE AND POSITION. CAN BE SET TO OFF (NOTHING DISPLAYED).

JOYSTICK/ARROW KEYS ◀ TO EXIT AND SAVE.

5.4.4.3 SHOW PRESET TITLES DURING TOURS

SET TO YES OR NO TO DISPLAY PRESET TITLES DURING TOURS

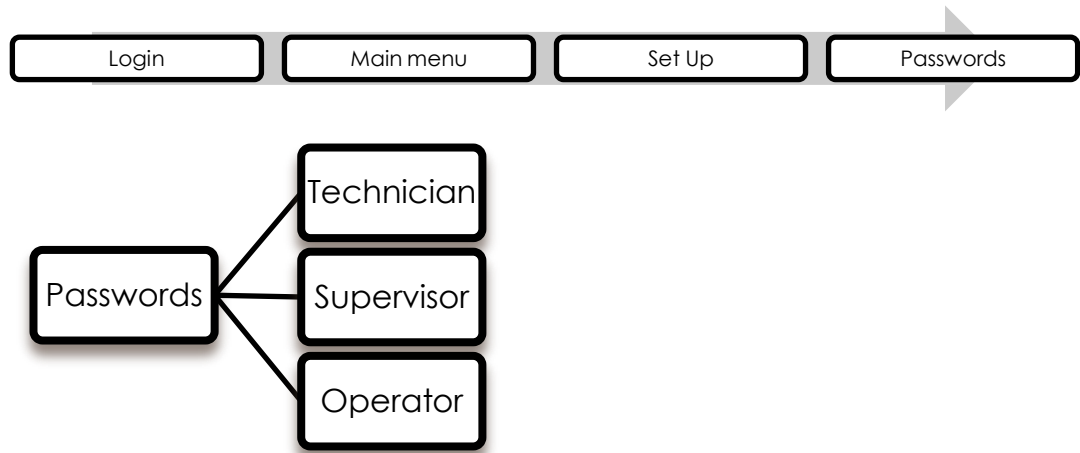
5.4.4.4 PRESET TEXT POSITION

DETERMINES WHERE THE PRESET TITLE IS DISPLAYED WHEN A PRESET IS CALLED. THE DEFAULT POSITION IS BOTTOM LEFT OF THE VIEW.

5.4.4.5 TEXT BACKGROUND

THIS OPTION ALLOWS DISPLAYED TEXT TO BE GIVEN A BLACK BACK GROUND TO HELP IT STAND OUT. MOVE ▼▲◀▶ TO CHANGE.

5.4.5 PASSWORDS



5.4.5.1 OPERATOR

DEFAULT PASSWORD IS 111100. THIS CAN BE CHANGED IF REQUIRED SEE 5.4.6

PERMISSION RIGHTS:

- DATE/TIME
- DAYLIGHT SAVING
- PRESETS
- TOURS
- DISPLAY OPTIONS
- LANGUAGE OPTIONS
- DATUM CHECK

5.4.5.2 SUPERVISOR

DEFAULT PASSWORD IS 555500. THIS CAN BE CHANGED IF REQUIRED SEE 5.4.6

PERMISSION RIGHTS

ALL OPERATOR PERMISSIONS PLUS:

- CLEAR PRIVACY
- SET PRIVACY
- ALARMS

5.4.5.3 TECHNICIAN

DEFAULT PASSWORD IS 999900. THIS CAN BE CHANGED IF REQUIRED SEE 5.4.6

PERMISSION RIGHTS:

ALL OPERATOR & SUPERVISOR PERMISSIONS PLUS:

- CAMERA TITLES
- SET PASSWORDS
- INSTALLATION DATE
- CLEAR SETTINGS
- REBOOT
- DIAGNOSTICS
- IR MODES
- CAMERA SETTINGS
- JOYSTICK SETTINGS

5.4.6 TO CHANGE PASSWORD:

Step	Action
1	Call up dome MENU from keyboard
2	LOGIN (using Technician pass code)
3	Move ►
4	Move ▲▼◀▶ to change PASSWORD numbers
5	Move ◀◀◀ to exit menu and save

5.4.7 DATUM CHECK

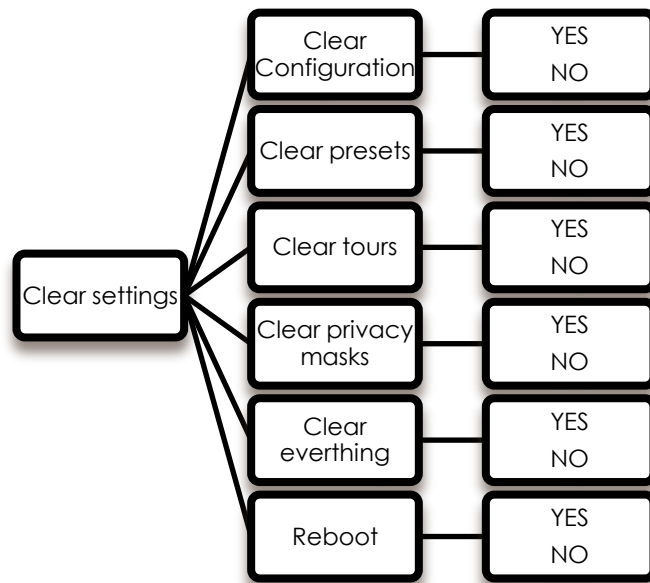
THE REDVISION™ IR SPEED DOME IS PROGRAMMED TO PERFORM A DATUM CHECK EVERY 24 HOURS. THE DOME WILL PAN AND TILT FOR A FEW SECONDS WHILE IT UNDERGOES A SELF DIAGNOSTIC TEST AND RE-CHECKS ITS ALIGNMENT. WHEN THE PROCESS IS COMPLETE THE DOME WILL REVERT TO ITS PREVIOUS ACTIVITY INCLUDING ANY TOURS WITH PRESETS.

➤ IT IS RECOMMENDED TO LEAVE THE DOME IN THE DEFAULT 24 HOUR OPTION

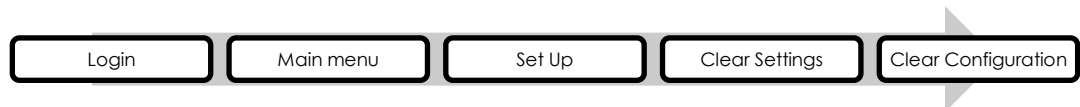
5.4.8 DATE AND TIME OF INSTALLATION

FOR THE PURPOSES OF FUTURE MAINTENANCE THE ACTUAL DATE & TIME OF INSTALLATION CAN BE ELECTRONICALLY RECORDED.

5.4.9 CLEAR SETTINGS



5.4.9.1 CLEAR CONFIGURATION



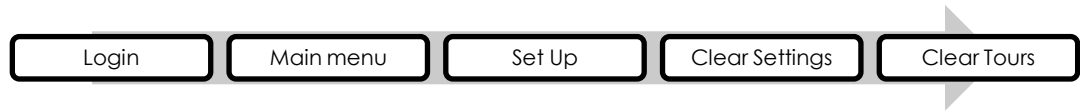
USE THIS OPTION TO PARTIALLY CLEAR CONFIGURATION SETTINGS. ALL CONFIGURATION CHANGES EXCEPT FOR TOURS AND PRESETS WILL BE RESET TO FACTORY DEFAULT. USE ▲ TO SELECT YES AND ◀ TO EXIT AND SAVE.

5.4.9.2 CLEAR PRESETS



USE THIS OPTION TO CLEAR ALL STORED PRESETS. USE ▲ TO SELECT YES AND ◀ TO EXIT AND SAVE.

5.4.9.3 CLEAR TOURS



USE THIS OPTION TO CLEAR ALL STORED TOURS. USE ▲ TO SELECT YES AND ◀ TO EXIT AND SAVE.

5.4.9.4 CLEAR PRIVACY MASKS



USE THIS OPTION TO CLEAR ALL PRIVACY MASKS. USE ▲ TO SELECT YES AND ◀ TO EXIT AND SAVE.

5.4.9.5 CLEAR EVERYTHING



THIS OPTION RESETS ALL FACTORY DEFAULT SETTINGS INCLUDING TOURS & PRESETS.

USE ▲ TO SELECT YES AND ◀ TO EXIT AND SAVE.

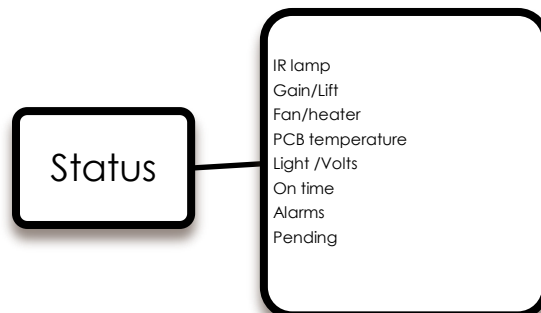
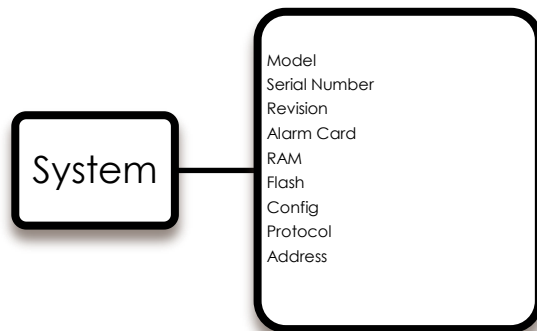
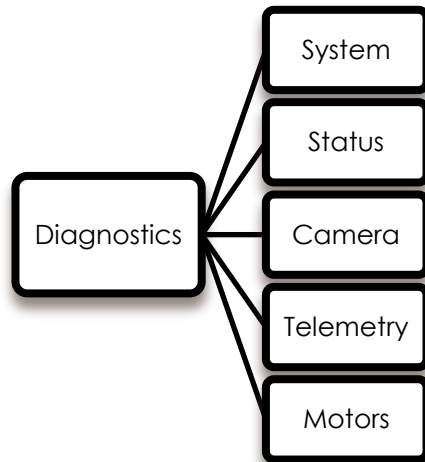
5.4.9.6 REBOOT

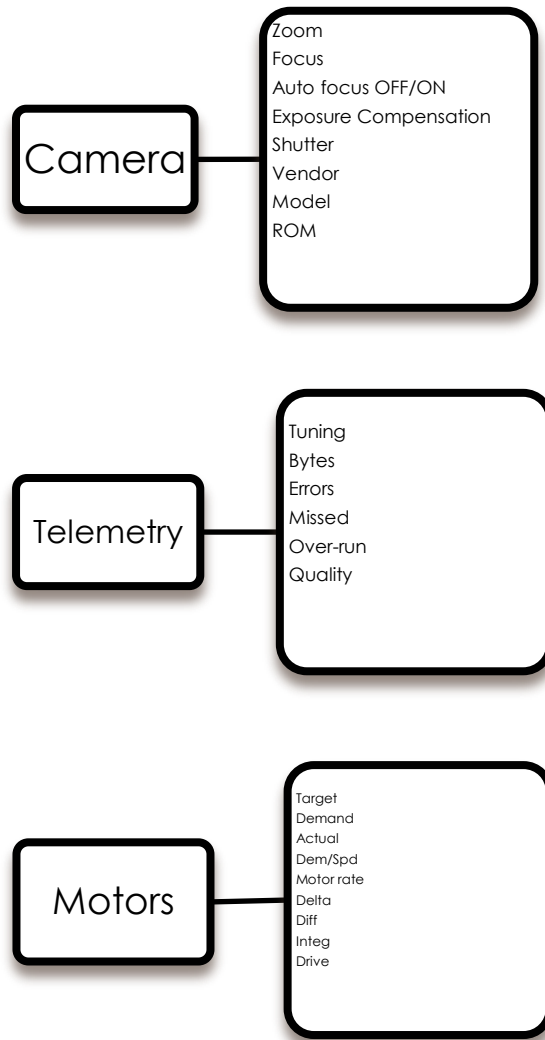


TO SOFT RESTART THE DOME (EQUIVALENT TO POWER CYCLING) . USE ▲ TO SELECT YES AND ◀ TO EXIT AND SAVE.

5.4.10 DIAGNOSTICS

THE FOLLOWING SCREENS DISPLAY USEFUL INFORMATION FOR THE TECHNICIAN AND CAN PROVIDE DIAGNOSTICS FOR REDVISION'S REMOTE TECHNICAL SUPPORT HELPDESK. THEY ARE NOT CONFIGURABLE.



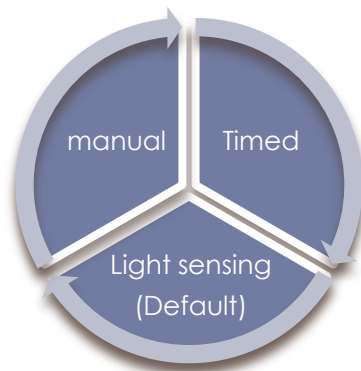


- TO 'EXIT' MOTORS, IT IS NECESSARY TO 'RECALL' THE MENU SEE 5.1.1 TO ENABLE USER TO EXIT.

6 INFRA-RED (IR)

6.1 IR MODE

THERE ARE 3 MODES. EACH MODE DETERMINES WHEN THE IR PODS SWITCH ON.



MANUAL → IR PODS SWITCH ON/OFF MANUALLY

TIMED → IR PODS SWITCH ON/OFF DEPENDING ON PROGRAMMED TIMES

LIGHT SENSING → IR PODS SWITCH ON WHEN IT GETS DARK

TO ACCESS IR MODE

6.2 IR ON

DEFAULT SETTING IS 75. THIS VALUE CAN BE CHANGED. THE LOWER THE NUMBER THE DARKER THE LIGHT NEEDS TO GET BEFORE THE IR PODS SWITCH ON. USE ▼▲ TO CHANGE VALUE.

6.3 IR OFF - HYSTERESIS

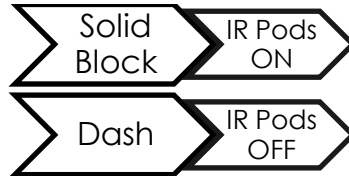
THE IR PODS ARE SWITCHED OFF WHEN THE LIGHT LEVEL REACHES THE 'ON' LEVEL PLUS THE HYSTERETIC VALUE. DEFAULT IS 125. USE ▼▲ TO CHANGE VALUE.

6.4 AUTO IR DELAY

THE AUTO IR DELAY TIME CAN BE SET IN SECONDS. THE DELAY PREVENTS THE IR PODS RESPONDING TO SHORT TERM EFFECTS E.G CAR HEADLIGHTS, WHICH MAY CAUSE THE IR PODS TO SWITCH. DEFAULT IS 60 SECONDS.

6.5 ON TIMES

IT IS POSSIBLE TO PROGRAM WHEN THE IR PODS SWITCH ON. THERE ARE 24 BLOCK POSITIONS REPRESENTING EACH HOUR OF THE DAY.

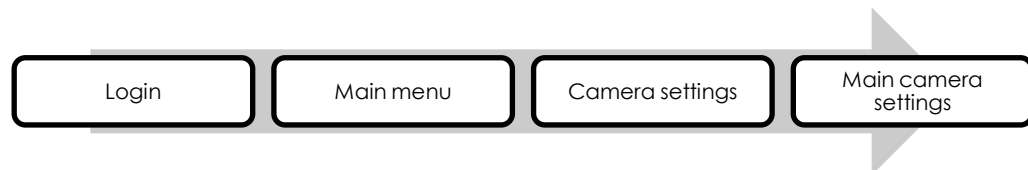


6.6 INFRA-RED POWER

THE INFRA-RED INTENSITY CAN BE VARIED. DEFAULT IS SET 100%. USE ▼▲ TO CHANGE VALUE.

7 CAMERA SETTINGS

TO ACCESS MAIN CAMERA SETTINGS;



7.1 DAYLIGHT SETTINGS (IR PODS ARE SWITCHED OFF)

THE FOLLOWING SETTINGS APPLY WHEN THE IR PODS ARE SWITCHED OFF.

7.1.1 SHUTTER SPEED

ADJUST THE SHUTTER SPEED TO ACHIEVE GREATER LIGHT SENSITIVITY. DEFAULT SETTING IS AUTO.

7.1.2 EXPOSURE COMPENSATION

ADJUSTMENT FOR UNUSUAL LIGHTING DISTRIBUTION. COMPENSATION CAN BE EITHER POSITIVE (ADDITIONAL EXPOSURE) OR NEGATIVE (REDUCED EXPOSURE). USE ▼▲ TO CHANGE VALUES BETWEEN +7 AND -7. DEFAULT SETTING = 0

7.1.3 JOYSTICK FOCUS MODE

THERE ARE TWO SETTINGS AUTO & MANUAL.. DEFAULT SETTING FOR DAY IS AUTO.

7.1.4 PRESET FOCUS MODE

THERE ARE TWO MODES: AUTO & STORED. DEFAULT SETTING FOR DAY IS AUTO.

7.1.5 ZOOM LIMIT

THIS CAN BE ADJUSTED FROM 1 TO 100%

7.1.6 BACKLIGHT COMPENSATION

THE ABILITY OF A CAMERA TO COMPENSATE IN CASES WHERE A SUBJECT WITH A LARGE AMOUNT OF BACKGROUND LIGHT WOULD OTHERWISE BE OBSCURED BY BLOOMING OR SILHOUETTING.

CAN BE TURNED ON OR OFF. DEFAULT IS OFF.

7.2 NIGHT-TIME SETTINGS (WHEN IR PODS ARE SWITCHED ON)

THE FOLLOWING SETTINGS APPLY WHEN THE IR PODS ARE SWITCHED ON.

7.2.1 SHUTTER SPEED

THE SHUTTER SPEED CAN BE SLOWED DOWN TO INCREASE LIGHT SENSITIVITY. DEFAULT SETTING = 1/12

7.2.2 EXPOSURE COMPENSATION

ADJUSTMENT FOR UNUSUAL LIGHTING DISTRIBUTION. COMPENSATION CAN BE EITHER POSITIVE (ADDITIONAL EXPOSURE) OR NEGATIVE (REDUCED EXPOSURE). USE ▼▲ TO CHANGE VALUES BETWEEN +7 AND -7.

7.2.3 JOYSTICK FOCUS MODE

THERE ARE TWO SETTINGS AUTO & MANUAL. THE DEFAULT SETTING FOR NIGHT IS MANUAL.

7.2.4 PRESET FOCUS MODE

THERE ARE TWO SETTINGS, AUTO AND STORED (MANUALLY ADJUST FOCUS TO OPTIMISE PICTURE SHARPNESS). FOR OPEN FIELD SITES IT IS RECOMMENDED TO USE STORED. THE CAMERA WILL AUTO FOCUS EFFECTIVELY IF THERE ARE ADEQUATE TARGETS FOR THE INFRA RED LIGHT TO REFLECT OFF.

7.2.5 ZOOM LIMIT

THIS CAN BE ADJUSTED FROM 1 TO 100%

7.2.6 BACKLIGHT COMPENSATION

THIS FUNCTION ALLOWS THE CAMERA TO COMPENSATE IN CASES WHERE A SUBJECT WITH A LARGE AMOUNT OF BACKGROUND LIGHT WOULD OTHERWISE BE OBSCURED BY BLOOMING OR SILHOUETTING.

CAN BE TURNED ON OR OFF. DEFAULT IS OFF.

7.3 VIDEO GAIN

VIDEO GAIN CAN BE SET FROM 0 TO 7 TO COMPENSATE FOR LOSSES IN LONG CABLE RUNS. DEFAULT SETTING IS TWO.

7.4 IRIS KEY USAGE

THE IRIS KEY CAN BE ASSIGNED TO PERFORM THE FOLLOWING COMMANDS:

Function	Actions
Exposure Compensation	Brighten or darken image
Shutter Speed	Allows integration. Can only be adjusted when infra-reds PODs are switched ON

7.5 VIDEO LIFT

HIGH FREQUENCY VIDEO LIFT CAN BE SET BETWEEN 0 & 8. DEFAULT IS ZERO.

7.6 DIGITAL ZOOM

SELECT DIGITAL ZOOM IF USER WANTS ZOOM BEYOND OPTICAL ZOOM LIMIT. DEFAULT IS OFF.

7.7 INVERT CAMERA IMAGE

SHOULD THE CAMERA BE INSTALLED UPSIDE DOWN USE THIS FUNCTION TO INVERT THE IMAGE.

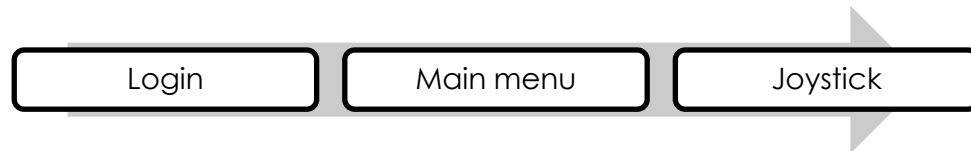
7.8 MIRROR CAMERA IMAGE

THIS FUNCTION REVERSES THE IMAGE E.G. LEFT TO RIGHT WILL APPEAR RIGHT TO LEFT.

8 JOYSTICK

THE JOYSTICK/CONTROLLER KEY SETTINGS CAN BE ADJUSTED WITHIN THIS MENU AREA.

TO ACCESS JOYSTICK SETTINGS;



8.1 JOYSTICK CURVE

THERE ARE THREE SETTINGS. THE RESPONSIVENESS OF EACH SETTING DEPENDS ON THE MAKE OF CONTROL EQUIPMENT BEING USED.

- QUASI LINEAR – SLOW THEN SPEEDS UP
- LINEAR - CONSTANT
- NON LINEAR – FAST THEN SLOWS DOWN

QUASI LINEAR IS THE DEFAULT.

8.2 ZOOM RATIO

THE ZOOM RATIO DICTATES BY HOW MUCH THE PAN & TILT SLOWS DOWN AS THE CAMERA ZOOMS IN. THE DEFAULT SETTING IS 16.

8.3 JOYSTICK SPEED

DEFAULT SETTING IS 60%. USE ▼▲ TO INCREASE/DECREASE.

8.4 JOYSTICK CREEP MODE

PROVIDES ENHANCED CONTROL AT SLOW SPEEDS

8.5 PAN LIMITS

THE REDVISION DOME CAN BE PROGRAMMED TO PAN ONLY WITHIN PRE-DEFINED LEFT AND RIGHT LIMITS. THIS CAN BE USEFUL IF THE DOME IS MOUNTED ON THE CORNER OF A BUILDING OR A WALL. IF PRESETS ARE PROGRAMMED THE DOME WILL STAY WITHIN THE PERMITTED LIMITS, AND NOT TAKE THE SHORTEST ROUTE.

8.5.1 SET RIGHT LIMIT

Step	Action
1	Call up dome MENU from keyboard
2	LOGIN (using Technician pass code)
3	From main menu select JOYSTICK SETTINGS then PAN LIMITS then SET RIGHT LIMIT
4	Pan the dome to the right most position
5	Press SELECT or wait 10 seconds
6	Move ◀◀◀ to exit menu and save

8.5.2 SET LEFT LIMIT

Step	Action
1	Call up dome MENU from keyboard
2	LOGIN (using Technician pass code)
3	JOYSTICK SETTINGS > PAN LIMITS then SET LEFT LIMIT
4	Pan the dome to the right most position
5	Press SELECT or wait 10 seconds
6	Move ◀◀◀ to exit menu and save

9 PRESETS & TOURS

PRESETS AND TOURS CAN BE PROGRAMMED USING THIRD PARTY KEYBOARD CONTROLLERS, OR FROM THE DOME'S OWN INTERNAL MENU.

TO ACCESS PRESETS & TOURS MENU



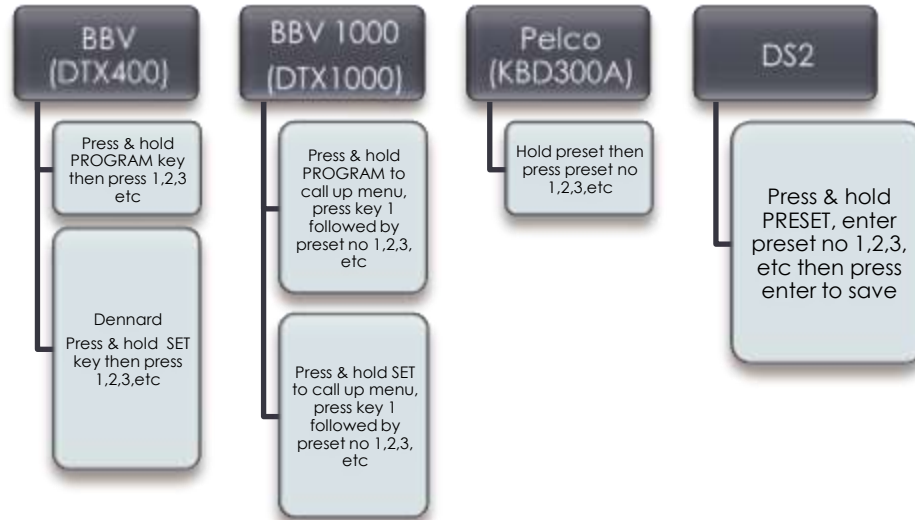
9.1 AN IMPORTANT NOTE ON FOCUS SHIFT

TECHNICIANS WILL BE FAMILIAR WITH SETTING UP FOCUS ON A 'FIXED' CAMERA BY TEMPORARILY FITTING THE LENS WITH A NEUTRAL DENSITY (ND) FILTER TO COMPENSATE FOR FOCUS SHIFT WHEN THE CAMERA SWITCHES TO MONO.

THE BEST WAY TO ENSURE OPTIMUM FOCUS ON A SPEED DOME IS TO SET PRESETS WHEN LIGHT LEVELS ARE LOW & THE INFRA RED PODS ARE ON. THE CONTROLLER 'FOCUS NEAR' & 'FOCUS FAR' KEYS OR JOYSTICK CAN BE USED TO FINE TUNE THE FOCUS MANUALLY BEFORE SAVING THE PRESET POSITION.

9.2 SET A PRESET USING THIRD PARTY KEYBOARD CONTROLLER

COMMON EXAMPLES OF 3RD PARTY KEYBOARD CONTROLLERS:



9.3 SET A PRESET (USING DOME INTERNAL MENU)

THE FOLLOWING STEPS DESCRIBE HOW TO SET A PRESET.

Step	Action	Result
1	Call up dome MENU from controller keyboard	
2	LOGIN	
3	From main menu select PRESET & TOURS then PRESETS then SET PRESETS	
4	Move ▲▼ to select preset number to be saved (1 to 100)	
5	Nudge joystick/arrow key ►	Cross lines appear
6	Use PTZ control to move camera into position, use ENTER or CANCEL to quit from the keyboard controller or wait 10 seconds for preset [DAY] position to set .	
7	Repeat steps 4 to 6 to set more presets	
8	Move ◀◀◀ to exit menu and save	Setting config...saved OK

9.4 PRESET TITLES

THE DEFAULT DISPLAY TITLE FOR A PRESET IS P1, P2, P3 ETC...HOWEVER, INDIVIDUAL PRESET TITLES CAN BE CUSTOMISED. TO CUSTOMISE TITLES:

Step	Action
1	Call up dome MENU from controller keyboard
2	LOGIN
3	From main menu select PRESET & TOURS then PRESETS then PRESET TITLES
4	Move ▲▼ to select a preset number to be named
5	Move ► to input title
6	Move ▲▼ to select alphanumeric characters
7	Move ◀ to exit menu and save

9.5 PRESET SPEED

THE SPEED AT WHICH THE DOME MOVES TO EACH PRESET CAN BE PROGRAMMED. DEFAULT IS 60%. TO CHANGE THE VALUE;

Step	Action
1	Call up dome MENU from controller keyboard
2	LOGIN
3	From main menu select PRESET & TOURS then PRESETS then PRESET SPEED
4	Move ▲▼ to change value
5	Move ◀ exit menu and save

9.6 PRESET DEFAULT HOME POSITION

THE REDVISION DOME CAN BE PROGRAMMED TO RETURN TO A PRESET DEFAULT 'HOME' POSITION AFTER A PERIOD OF INACTIVITY. ANY PRESET NUMBER CAN BE DESIGNATED AS THE HOME POSITION.

Step	Action
1	Call up dome MENU from keyboard controller
2	LOGIN
3	From main menu select PRESET & TOURS then PRESET
4	Move ► to select RESTORE TO PRESET
5	Move ▲▼ to designate preset number 1,2,3 etc as default home position
6	Move ◀ ◀◀ to exit menu and save

9.7 TOURS

TOUR 1 BY DEFAULT IS FULLY POPULATED & INCLUDES ALL PRESETS. THESE. IT IS POSSIBLE TO PROGRAM UP TO 100 PRESETS PER TOUR. ONCE A TOUR IS SET THE DOME MOVES BETWEEN EACH PRESET WITHIN THAT TOUR AUTOMATICALLY, AND WILL DWELL FOR A PERIOD SPECIFIED. THE RESTORE TOUR MODE CAN BE ACTIVATED ON ANY TOUR FROM 1 TO 8.

THE TOUR IS CONTINUALLY REPEATED UNLESS INTERRUPTED BY;

- ❖ MANUAL PAN, TILT OR ZOOM
- ❖ CALLING UP A PRESET POSITION
- ❖ AN ALARM ACTIVATION

9.8 RESTORE TO TOUR



Step	Action
1	Call up dome MENU from keyboard
2	LOGIN
3	From main menu select PRESET & TOURS then TOURS then RESTORE TO TOUR
4	Move ▲▼ to select a TOUR number 1-8
5	Move ◀◀◀ to exit menu and save

9.9 TOUR 1 TO 8

THE USER CAN SET UP TO 8 DIFFERENT TOURS.

TOUR 1 BY DEFAULT IS FULLY POPULATED & INCLUDES ALL SET PRESETS. THESE CAN BE EDITED IF REQUIRED. ALL OTHER TOURS ARE EMPTY.

Step	Action
1	Call up dome MENU from keyboard
2	LOGIN
3	From main menu select PRESET & TOURS then TOURS
4	Move ▲▼ to select a TOUR number 1-8
5	Move ◀◀◀ to exit menu and save

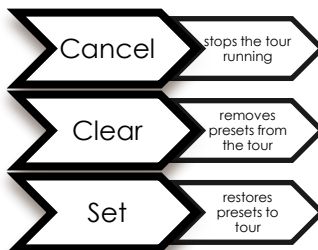
9.9.1 TOUR TITLE (HOW TO PROGRAM)

EACH TOUR CAN BE ASSIGNED ITS OWN TITLE. THE DEFAULT TITLE IS T1, T2, T3 ETC...

Step	Action
1	Call up dome MENU from keyboard
2	LOGIN
3	From main menu select PRESET & TOURS then TOURS then TOUR TITLES
4	Move ▲▼ to select a TOUR to be named
5	Move ► to input title
6	Move ▲▼ to select alphanumeric characters
7	Move ◀◀◀ to exit menu and save

9.9.2 HOW TO INITIALISE A TOUR

Step	Action
1	Call up dome MENU from keyboard
2	LOGIN
3	From main menu select PRESET & TOURS then TOURS then INITIALISE TOURS
4	Move ▲▼ to select either CANCEL, CLEAR or SET
5	Move ◀◀◀ to exit menu and save



9.9.3 EDIT TOUR

ALLOWS OPERATOR TO EDIT THE STANDARD TOUR SEQUENCE E.G. PRESET 1,2,3,

THE DEFAULT SETTING IS POSITION 1 OF THE TOUR = PRESET 1, AND, POSITION 2 = PRESET 2 ETC...

THE TOUR CAN BE EDITED SO THAT POSITION 1 COULD = PRESET 2 FOR EXAMPLE. ANY POSITIONS SET TO NO PRESET WILL BE IGNORED WHEN THE TOUR IS RUNNING.

TO EDIT TOUR;

Step	Action
1	Call up dome MENU from keyboard
2	LOGIN
3	From main menu select PRESET & TOURS then TOURS then EDIT TOUR
4	Move ▲▼ to select
5	Move ◀◀◀ to exit menu and save

9.9.4 TOUR DWELL TIME

THE TIME THE CAMERA DWELLS BETWEEN EACH PRESET CAN BE PROGRAMMED BETWEEN 1 & 120 SECONDS. DEFAULT IS 8 SECONDS.

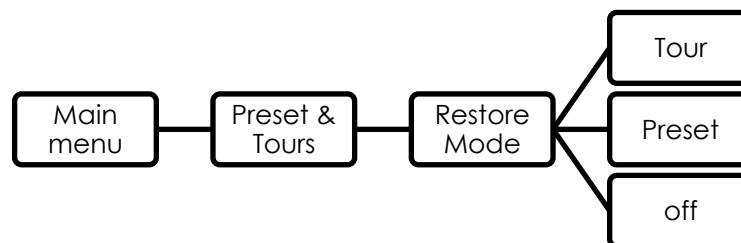
9.9.5 SPEED

THE SPEED AT WHICH THE CAMERA MOVES TO EACH PRESET. PROGRAMMED IN SECONDS

9.10 RESTORE MODE (PRESETS & TOURS)

THIS OPTION ACTIVATES THE DOME TO REVERT TO A TOUR OR PRESET AFTER A SPECIFIED PERIOD (IN SECONDS) OF INACTIVITY.

RESTORE MODES



- SELECT '**TOUR**' IF RESTORE TO TOUR IS REQUIRED.
- SELECT '**PRESET**' IF RESTORE TO PRESET IS REQUIRED
- SELECT '**OFF**' TO DISABLE RESTORE MODE

Step	Action
1	Call up dome MENU from keyboard
2	LOGIN
3	From main menu select PRESET & TOURS then RESTORE MODE then either TOUR, PRESET or OFF
4	Move ◀◀◀ to exit menu and save

9.11 RESTORE DELAY (PRESETS & TOURS)

TIME TAKEN BEFORE PRESETS OR TOURS ARE RESTORED. SELECT BETWEEN 180 SECONDS & OFF.

Step	Action
1	Call up dome MENU from keyboard
2	LOGIN
3	From the main menu to select PRESET & TOURS then RESTORE DELAY
4	Move ▲ ▼ to change value in seconds
5	Move ◀ to exit menu and save

10 PRIVACY ZONES

UP TO 24 PRIVACY ZONES CAN BE PROGRAMMED.

Step	Action	Result
1	Call up dome MENU from keyboard	
2	LOGIN (using Technician pass code)	
3	From the main menu select PRIVACY	Default view... MASK 1 appears
4	Move joystick/arrow keys ▲ ▼ to select a different MASK number (between 1 – 24)	
5	Nudge joystick /arrow keys ►	Cross lines appear on screen
6	Move camera to required view using PTZ functions	
7	Select ENTER command from the DVR/keyboard or wait 15 seconds until a red mask patch appears	Red mask patch appears
8	Scroll to next MASK number (using arrow keys or joystick)	Blue mask patch appears
9	Move joystick or arrow keys ►	Cross lines appear
10	For each new mask position repeat steps 4 to 7	
11	When all mask positions have been created, move ◀ to exit menus & save	Saving config... appears bottom left of screen & confirms changes have been saved

11 ALARMS

IMPORTANT! IF AN ALARM MODULE IS INSTALLED THE PSU SLIDE SWITCH MUST BE SET TO 'YES'. SEE FIG 11 BELOW:



ALARMS ARE WIRED INPUTS DIRECTLY INTO THE DOME ALARM MODULE OR THROUGH 3RD PARTY CONTROL EQUIPMENT. ALARMS MAY BE TRIGGERED FROM A VARIETY OF SOURCES, INCLUDING PIR DETECTORS, DOOR ENTRY SYSTEMS AND GROUND/PERIMETER PROTECTION DEVICES.

THE REDVISION DOME ALARM MODULE (RV-ALM16) CAN ACCEPT UP TO 16 ALARM INPUTS. ALARMS 1 TO 16 MAP TO PRESETS 1 – 16 RESPECTIVELY.

IF ALARMS ARE CONNECTED DIRECTLY TO THIRD PARTY CONTROL EQUIPMENT RATHER THAN THE REDVISION ALARM MODULE, THE NEW ALARM DWELL TIME (SEE 11.3) AND ALARM CYCLE TIME SETTINGS (11.4) WILL BE IGNORED.

11.1 ENABLE ALARMS

ALARMS NEED TO BE 'ENABLED' IN ORDER TO FUNCTION CORRECTLY. THIS FEATURE CAN ALSO BE USED TO DISABLE NUISANCE ALARMS CAUSED BY FAULTY ALARM INPUT DEVICES SUCH AS PIRS. THE ALARM DEFAULT SETTING IS 'ALL' ALARMS ENABLED 'ON' [BLOCK].

Step	Action
1	Call up dome MENU from keyboard
2	LOGIN (using Technician pass code)
3	From main MENU select ALARMS then ENABLE ALARMS
4	Move ◀ ▶ to select alarm number
5	Move ▼ ▲ to enable/disable
6	BLOCK=ALARM ENABLED or DASH = DISABLED
7	Move ◀◀◀ to exit menu and save

11.2 ALARM OVER-RIDE

ON ALARM ACTIVATION THE CAMERA AUTOMATICALLY SWITCHES TO THE PRESET VIEW OF THE MOST CURRENT ALARM. THE ALARM *OVER-RIDE* ALLOWS THE OPERATOR TO TAKE CONTROL OF THE CAMERA WITHOUT FEAR OF THE CAMERA AUTOMATICALLY SWITCHING TO THE MOST CURRENT ALARMED PRESET. THE OVER-RIDE TIME CAN BE SET TO BETWEEN 1 AND 20 SECONDS. DEFAULT IS 10 SECONDS.

Step	Action
1	Call up dome MENU from keyboard
2	LOGIN (using Technician pass code)
3	From main menu select ALARMS then select ALARM OVERRIDE TIME
4	Move ▼▲ to change value
5	Move ◀◀◀ to exit menu and save

11.3 NEW ALARM DWELL TIME

THE DOME WILL MOVE TO A CORRESPONDING PRESET WHEN A NEW ALARM OCCURS.

ON MULTIPLE ALARMS, PRESETS WILL BE CALLED UP IN SEQUENCE. THE DWELL TIME (IN SECONDS) BETWEEN EACH ALARM CAN BE PROGRAMMED. DEFAULT IS 5 SECONDS.

Step	Action
1	Call up dome MENU from keyboard
2	LOGIN (using Technician pass code)
3	From main menu select ALARMS then NEW ALARM DWELL TIME
4	Move ▼▲ to change value (1-20 seconds)
5	Move ◀◀◀ to exit menu and save

11.4 ALARM CYCLE TIME

THE ALARM CYCLE TIME PROGRAMMED IN SECONDS IS THE TIME IT TAKES TO TOUR THE PRESETS OF STILL ACTIVE ALARMS. DEFAULT IS 3 SECONDS.

Step	Action
1	Call up dome MENU from keyboard
2	LOGIN (using Technician pass code)
3	From main menu select ALARMS then ALARM CYCLE TIME
4	Move ▼▲ to change value (1-20 seconds)
5	Move ◀◀◀ to exit menu and save

12 CONTACT TECHNICAL SUPPORT

SHOULD YOU HAVE ANY QUESTIONS OR REQUIRE ASSISTANCE WITH SET UP PLEASE
CALL OUR TECHNICAL SUPPORT HELPLINE ON +44 (0) 1420 448 448

13 TECHNICAL SPECIFICATION

CAMERA			TELEMETRY	
Camera module	Sony colour/mono ExView HAD ¼" CCD PAL 480TVL, 440 pixels		RS485	Pelco P, Pelco D
Optical zoom	18x Optical	26x Optical	Coax	BBV
Digital zoom	12x	12x	Addressing	DIP switch
Min illumination	0.7 Lux	1.0 Lux	Baud rate	9600,4800 or 2400
Angle of view	2.7 - 48.6°	2.2° – 54.2°	MECHANICAL	
Focal Length	4.1 to 73.8mm (F1.4 to F3)	3.5 – 91.0mm (F1.6 to F3.8)	Left & Right Pan Limits	Programmable
			Pan & Tilt	Continuous 360° Pan (0.1- 200 per second).Tilt +5° to - 90°
INFRA RED ILLUMINATION			KEY FEATURES	
IR wavelength	830nm (semi covert) other wavelengths to special order		Presets/Tours	100 presets with programmable titling & 8 tours with programmable titling
IR range	Tested to 100m (830nm)		Password protection	Yes (three levels)
Environmental & Physical			Camera titles	16 alphanumeric characters
Dome head material	Die cast aluminium		Preset titles	16 alphanumeric characters
Hemisphere	Polycarbonate		Privacy zones	24 programmable
Operating temperature	-35 C to 50 C heater/Fan		Video launch amplifier	0-6dB 8 steps
Dome head Weight	4 Kilos		Heater	Yes
Paint finish	Powder coat		Fan	Yes
			OPTIONAL ALARM MODULE	
POWER			Features	16 Alarm inputs (volt free).1 relay o/p fits to RV-PSU
Input	110V to 240Vac, 50Mz		MOUNTING OPTIONS	
Output	24V DC @ 2A output		Type	Swan.wall.corner.pendant & pole

THIS PRODUCT IS  MARKED AND HAS BEEN FULLY TESTED AND COMPLIES WITH;

- 89/336/EEC ELECTROMAGNETIC COMPATIBILITY
- 73/23/EEC LOW VOLTAGE DIRECTIVES
- 60950:2000 SAFETY STANDARDS

**WARNING: THIS IS A CLASS A PRODUCT. IF INSTALLED IN A DOMESTIC ENVIRONMENT
RADIO INTERFERENCE MAY BE CAUSED IN WHICH CASE THE USER MAY BE REQUIRED TO
TAKE ADEQUATE MEASURES.**

14 WARRANTY INFORMATION

REDVISION CCTV LIMITED (REDVISION) WARRANTS THE BUYER THAT THE PRODUCT WILL, ON THE DATE OF SHIPMENT BE FREE FROM DEFECTS IN MATERIAL & WORKMANSHIP AND WILL CONFORM TO REDVISION'S SPECIFICATIONS PROVIDED TO THE BUYER. IF ANY DEFECT IN MATERIAL OR WORKMANSHIP APPEARS IN THE PRODUCT, REDVISION WILL AT ITS OPTION, EITHER REPAIR OR REPLACE THE DEFECTIVE PRODUCT WITHOUT CHARGE AT REDVISION'S CUSTOMER SERVICE CENTRE OR SERVICED AUTHORISED REPAIR FACILITY OR CREDIT OR REFUND THE PURCHASE PRICE OF THE DEFECTIVE PRODUCT PROVIDED;

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- ❖ EXAMINATION OF THE PRODUCT CONFIRMS THAT THE CLAIMED DEFECT ACTUALLY EXISTS.

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- ❖ PRIOR TO THE EXPIRATION OF THE ABOVE TWENTY FOUR **(24)** MONTH PERIOD, WHICHEVER IS LATER.

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- ❖ TO EXPERIMENTAL OR DEVELOPMENT PRODUCTS
- ❖ TO PRODUCT WHICH HAS BEEN SUBJECTED TO MISUSE, NEGLIGENCE, ACCIDENT OR ABUSE;

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- ❖ TO IMPROPER INSTALLATION, STORAGE OR MAINTENANCE BY ANYONE OTHER THAN REDVISION;
- ❖ TO PRODUCT USED IN MATERIAL VIOLATION OF REDVISION'S INSTRUCTION; OR
- ❖ TO PRODUCT WHICH HAS HAD ITS SERIAL NUMBERS OR MONTH AND YEAR OF MANUFACTURE OR SHIPMENT REMOVED, DEFACED OR ALTERED OR
- ❖ TO SOFTWARE.

THE TERM "SOFTWARE" MEANS A SET OF LOGICAL INSTRUCTIONS AND TABLE OF INFORMATION WHICH GUIDE THE FUNCTIONING OF A PROCESSOR. SUCH SET MAY BE CONTAINED IN ANY MEDIUM WHATSOEVER INCLUDING, WITHOUT LIMITATION, HARDWARE CONTAINING A PATTERN OF BITS REPRESENTING SUCH SET, PROVIDED, HOWEVER, THE TERM "SOFTWARE" DOES NOT MEAN OR INCLUDE THE MEDIUM.

REDVISION SHALL CHARGE FOR THE REPAIR OF ALL PRODUCT RETURNED OUT OF WARRANTY.

CALL REDVISION CUSTOMER SERVICE **+44 (0)1420 448 448** FOR AN RMA NUMBER

OR VISIT WWW.REDVISIONCCTV.COM FOR MORE INFORMATION.

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16 NOTES

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